

The bromide of arsenic was used inten-centi gramme doses, but with very poor result. Ten patients were treated with it, and only one was improved by it alone.

Daily applications of very large magnets were made upon sixteen patients. The applications were continued for from three to six months. No physiological or therapeutical effects were produced.

The nitrate and hydrochlorate of pilocarpine were tried, in .005 to .05 doses, upon fourteen patients. Seven were improved. Dr. Bricon thinks that only hydrotherapy and the salts of pilocarpine gave sufficiently good results to justify further trial.—*Thèse de Paris*, 1882.

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SUBSTITUTES FOR DIGITALINE: HELLEBORÉIN.—Schmiedeberg, in an article upon the digitalis group, enumerates six classes and nineteen different active principles which have more or less of the physiological properties of digitalis. Helleboréin is placed in the group of crystallizable glucosides along with digitaline. It is preferred to digitaline by Schmiedeberg, because of its greater solubility and more rapid absorption and probable elimination. It is obtained from the roots of *Helleborus niger*, *virid.*, and *fatidus*. It is manufactured by Merck, but has as yet been little used.—*Archiv f. exper. Patholog. u. Pharmakolog.*, Bd. xvi, Heft iv.

ADONIS VERNALIS.—The active principle of this plant has been obtained by Cervello and experimented upon. He found its action to be similar to that of digitaline, but that the dose required was much smaller. In rabbits and dogs the blood-pressure always rises under its influence. He does not appear to have tried its effects on human beings.—*Med. Press and Circular*, Dec. 27, 1882.

C. L. DANA, M.D.

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